

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	135	mre11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/24 20:06
L2	5	mre-11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/24 20:08
L3	11	(meiotic near2 recombination) near2 "11"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/24 20:08
L6	64891	cell near2 proliferation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/24 20:09
L7	1012	cell near 2 chemosensitivity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/24 20:10
L9	32140	screen WITH (agent or drug)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/24 20:11
L12	436	david morris.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2006/05/24 20:15
L14	17	eric engelhard.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2006/05/24 20:15
L15	17	l12 l14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/05/24 20:17

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L16	12894	composition methods cancer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	WITH	ON	2006/05/24 20:17
L17	343	composition screening methods cancer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	WITH	ON	2006/05/24 20:17
L18	891791	CAP	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	WITH	ON	2006/05/24 20:18
L19	6121	CA protein	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	WITH	ON	2006/05/24 20:18

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##### **Structural and functional analysis of Mre11-3 -- Arthur et al. 32 (6): 1886 ...**



... 6 1886-1893 © 2004 Oxford University Press Structural and functional analysis of **Mre11-3**  
 L. Matthew Arthur , Karin Gustausson 1 , Karl-Peter Hopfner 2 , Christian T. Carson 3 , Travis H. Stracker 3 ...  
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##### **Linkage between Werner Syndrome Protein and the Mre11 Complex via Nbs1 --**

##### **Cheng et al. 279 (20): 21169 -- Journal of**

syndrome individuals and is part of the mammalian **Mre11** complex together with the **Mre11** and Rad50 proteins

[www.jbc.org/cgi/content/abstract/279/20/21169](http://www.jbc.org/cgi/content/abstract/279/20/21169)

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##### **DNA Replication-Dependent Nuclear Dynamics of the Mre11 Complex -- Mirzoeva and Petrini 1 (3): 207 -- Molecular**

This Article. Services. Google Scholar. PubMed. DNA Damage and Cellular Stress Responses. DNA Replication-Dependent Nuclear Dynamics of the **Mre11** Complex1. Olga K. Mirzoeva1 and John H.J. Petrini1,2 ... The **Mre11** complex undergoes dramatic relocalization in the nuclei of - irradiated and replicating

[mcr.aacrjournals.org/cgi/content/full/1/3/207](http://mcr.aacrjournals.org/cgi/content/full/1/3/207)

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##### **Alteration of N-Terminal Phosphoesterase Signature Motifs Inactivates**

##### **Saccharomyces cerevisiae Mre11 -- Bressan et**

This Article. Services. Google Scholar. PubMed. Genetics, Vol. 150, 591-600, October 1998, Copyright © 1998 ... signature motifs of **Mre11** to create **mre11-11**, **mre11-2**, **mre11-3**, and **mre11-4** and assessed the ... one of the **mre11** mutations disrupted the **Mre11**-Rad50 interaction. Mutagenesis of

[www.genetics.org/cgi/content/full/150/2/591](http://www.genetics.org/cgi/content/full/150/2/591)

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##### **The Nuclease Activity of Mre11 Is Required for Meiosis but Not for Mating Type Switching, End Joining, or**

(PDF) OLECULAR AND. C. ELLULAR. B. IOLOGY. 0270-7306/ 99/ \$04.00 0. Jan. 1999, p. 556A%2F%2Fcumicro2.cpmc.columbia.edu%2FMicro\_Files%2FSymington%2FMore

au\_et\_al\_1999.pdf &p=mre11 &ei=UTF-8 &scrumb=" onclick="window.open  
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Moreau\_et\_al\_1999.pdf#search='mre11'  
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### Nicolas Lab - Mre11 ☆☆☆ ✓ X

Summary : The repair of DNA double-strand breaks (DSBs) requires the activity of the **Mre11**/Rad50/Xrs2(Nbs1) complex. In *Saccharomyces cerevisiae*, this complex is required for both the initiation of ...  
nicolas.curie.fr/mre11-hotspots.html  
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### Nuclease Activity of *Saccharomyces cerevisiae* Mre11 Functions in Targeted Nucleotide Alteration -- Liu et al. 69 (10) ☆☆☆

we established the importance of a functioning **MRE11** gene in the overall reaction, as yeast strains deficient in **MRE11** exhibited severely reduced activity. The activity  
aem.asm.org/cgi/content/full/69/10/6216  
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### Mre11 Deficiency in *Arabidopsis* Is Associated with Chromosomal Instability in Somatic Cells and Spo11-Dependent ☆☆☆ ✓ X

The **Mre11**/Rad50/Nbs1 complex is involved in many aspects of chromosome metabolism ... this article, we report the consequences of **Mre11** dysfunction for the stability of mitotic and  
www.plantcell.org/cgi/content/full/16/8/1968  
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### MRE11/YMR224C Summary ☆

(2004) Role of the nuclease activity of *Saccharomyces cerevisiae* **Mre11** in repair ... (1998)  
Complex formation and functional versatility of **Mre11** of budding  
db.yeastgenome.org/cgi-bin/locus.pl?locus=MRE11  
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RAD RAD55, XRS **MRE11** - Molecular Cell, 2000 - micro.ucdavis.edu... University of California, Davis RAD55, RAD57, **MRE11**, XRS2, and RFA1 (Game, 1993; ... that Rad50, **Mre11**, and Xrs2 proteins form a hetero- stantially. ...Cited by 78 - [View as HTML](#) - [Web Search](#)

### Complex formation and functional versatility of **Mre11** of budding yeast in recombination.

T Usui, T Ohta, H Oshiumi, J Tomizawa, H Ogawa, T ... - Cell, 1998 - ncbi.nlm.nih.gov

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of budding yeast in recombination. Usui T, Ohta T, Oshiumi ...

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### The many interfaces of **Mre11**.

JE Haber - Cell, 1998 - ncbi.nlm.nih.gov

Click here to read The many interfaces of **Mre11**. Haber JE. ... hrad50 protein;Endodeoxyribonucleases; Exodeoxyribonucleases; **MRE11** protein, S cerevisiae. ...Cited by 245 - [Web Search](#) - [BL Direct](#)

### Saccharomyces Ku70, **mre11**/rad50 and RPA proteins regulate adaptation to G2/M arrest after DNA damage ...

SE Lee, JK Moore, A Holmes, K Umezu, RD Kolodner, ... - Cell, 1998 - ncbi.nlm.nih.gov

Click here to read Saccharomyces Ku70, **mre11**/rad50 and RPA proteins regulate adaptation to G2/M arrest after DNA damage. Lee SE, Moore ...Cited by 204 - [Web Search](#) - [BL Direct](#)

### Cell-cycle-regulated association of RAD50/**MRE11**/NBS1 with TRF2 and human telomeres - group of 3 »

XD Zhu, B Küster, M Mann, JHJ Petrini, T de Lange - Nature Genetics, 2000 - nature.com

... Cell-cycle-regulated association of RAD50/**MRE11**/NBS1 with TRF2 and human telomeres. ...1a). Figure 1. Association of TRF2 with the **MRE11** complex. ...Cited by 195 - [Web Search](#) - [BL Direct](#)

### The **Mre11** complex and ATM: collaborating to navigate S phase. - group of 2 »

JH Petrini - Curr Opin Cell Biol, 2000 - ncbi.nlm.nih.gov

Click here to read The **Mre11** complex and ATM: collaborating to navigate S phase.Petrini JH. ... Mutations in the **Mre11** complex cause A-TLD and NBS. ...Cited by 145 - [Web Search](#) - [BL Direct](#)

### Nuclease Activities in a Complex of Human Recombination and DNA Repair Factors Rad50, **Mre11**, and p95 - group of 2 »

KM Trujillo, SSF Yuan, YHPL Eva, P Sung - Journal of Biological Chemistry, 1998 - jbc.org

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### Human Rad50 is physically associated with human **Mre11**: identification of a conserved multiprotein ... - group of 3 »

GM Dolganov, RS Maser, A Novikov, L Tosto, S Chong ... - Molecular and Cellular Biology, 1996 - mcb.asm.org  
... Human Rad50 is physically associated with human **Mre11**: identification of a conserved multiprotein complex implicated in recombinational DNA repair. ...  
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A DNA damage response pathway controlled by Tel1 and the **Mre11** complex - group of 4 »

T Usui, H Ogawa, JH Petrini - Mol. Cell, 2001 - saturn.roswellpark.org  
... A DNA Damage Response Pathway Controlled by Tel1 and the **Mre11** Complex Pelliccioli et al., 1999). ... Cells the **Mre11** complex. In mitotic cells, the Tel1-**Mre11** ...  
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Y Yamaguchi-Iwai, E Sonoda, MS Sasaki, C Morrison, ... - The EMBO Journal, 1999  
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**Meiotic cells monitor the status of the interhomolog recombination complex - group of 3 »** All articles Recent articles

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 ... A. Pastink Mouse Sycp1 functions in synaptonemal complex assembly, **meiotic recombination**, and XY body formation Genes & Dev., June 1, 2005; 19(11): 1376 - ...  
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KS McKim, BL Green-Marroquin, JJ Sekelsky, G Chin, ... - Trends Microbiol, 1996 - sekelsky.bio.unc.edu  
 ... Consistent with the **recombination** phenotype, however, we failed to observe either early or late RNs in the mutants (11). **Meiotic** progression in these mutants ...  
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AJ Jeffreys, L Kauppi, R Neumann - Nat Genet, 2001 - math.chalmers.se  
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D Lydall, Y Nikolsky, DK Bishop, T Weinert - Nature, 1996 - nature.com  
 ... mutants (DMC1 + ) appear to undergo MI before all **recombination** events are ... 4 . This shows that although mitotic and **meiotic** control mechanisms ... 6, 4-11 (1996) ...  
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AF Dernburg, K McDonald, G Moulder, R Barstead, M ... - Cell, 1998 - bio.unc.edu  
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GM Chin, AM Villeneuve - Genes and Development, 2001 - intl.genesdev.org  
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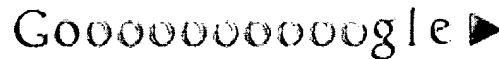
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N Hunter, RH Borts - Genes and Development, 1997 - intl.genesdev.org  
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